

Title (en)

Compton scattered X-Ray depth visualization imaging or information provider

Title (de)

Visualisierung, Bildgebung oder Informationsausgabe der gestreuten Compton-Röntgentiefe

Title (fr)

Visualisation de profondeur à rayons X à diffusion Compton de type volumétrique, imagerie, ou fournisseur d'informations

Publication

EP 1980876 A2 20081015 (EN)

Application

EP 08251163 A 20080328

Priority

- US 78674407 A 20070411
- US 78674107 A 20070411
- US 78673907 A 20070411
- US 78677607 A 20070411
- US 78675907 A 20070411
- US 78674307 A 20070411
- US 78677507 A 20070411
- US 78675807 A 20070411

Abstract (en)

One aspect relates to at least a portion of at least one Compton scattered X-ray visualizer, imager, or information provider configured to receive an at least one Compton scattered X-ray that has scattered through a substantial scattering depth range to one or more substantial prescribed scattering depths within an at least one matter of an at least a portion of a subject (e.g., an individual) based at least in part on a set of scattering characteristics, the set of scattering characteristics at least partially corresponding to the at least one matter of the least the portion of the subject; the at least the portion of the at least one Compton scattered X-ray visualizer, imager, or information provider being configured for providing an at least one Compton scattered X-ray visualization, imaging, or information providing through one or more visualization, imaging, or information providing depth ranges to one or more visualization, imaging, or information providing prescribed depths into the at least one matter of the least the portion of the subject.

IPC 8 full level

G01T 1/29 (2006.01)

CPC (source: EP GB US)

A61B 6/483 (2013.01 - EP US); **A61B 6/505** (2013.01 - EP US); **A61B 6/507** (2013.01 - EP US); **A61B 6/508** (2013.01 - EP US); **A61B 6/512** (2024.01 - EP US); **G01N 23/20** (2013.01 - GB); **G01T 1/29** (2013.01 - GB); **A61B 6/12** (2013.01 - EP US); **A61B 6/482** (2013.01 - EP US); **A61B 6/506** (2013.01 - EP US); **A61B 6/548** (2013.01 - EP US); **A61B 18/12** (2013.01 - EP US); **A61B 18/20** (2013.01 - EP US); **A61N 7/02** (2013.01 - EP US)

Citation (applicant)

- US 7057187 B1 20060606 - YUN WENBING [US], et al
- US 6895077 B2 20050517 - KARELLAS ANDREW [US], et al
- J.T. BUSHBURG ET AL.: "The Essential Physics of Medical Imaging, Second Edition", 2002, LIPPINCOTT WILLIAMS AND WILKINS
- "The Essential Physics of Medical Imaging", 2002, LIPPINCOTT WILLIAMS AND WILKINS
- "The Electrical Engineering Handbook", CRC PRESS/IEEE PRESS

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CN102854208A; US9535016B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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